

USPS Pricing Engine SDK

March 8, 2019

Summary

This is the Domestic and International Pricing Engine SDK (version 11.7.2.0) for the March 22, 2019 Release. The following is a list of enhancements included in this release.

Clean Up/Remove Unused Tables/Code

The Container interface has been removed. This was a special interface that allowed mail piece attributes to be characterized as a container vs. a shape and size.

The following database tables and code items were removed.

Domestic	International
Database: dm_keys_ids dm_parcel_return_full_network dm_parcel_select_ndc_presort dm_parcel_select_ondc_presort dmes_express_mail_ins dminfo_mail_characteristics dminfo_mail_types dminfo_rau ExtraServiceToExtraServiceRetail ExtraServiceToMailServiceRetail FactoryRetail LinkRetail TextWithLinksRetail pf_CalculatorElementLookup pf_CalculatorLookup	Database: ExtraServiceToExtraServiceRetail LinkRetail TextWithLinksRetail pf_CalculatorElementLookup pf_CalculatorLookup ExtraServiceToMailServiceRetail FactoryRetail
Code: ExtraServiceFactoryManager CustomsFormsEngineProperties	Code: CountryToExtraServiceManager CountryToMailServiceManager

Update Cache without IIS Restart

Items cached by the pricing engine will be updated automatically when updated. The new table, CacheAge, facilitates tracking changes to the data source and the cached table.

Domestic	International
Annotations Calculators CalculatorSets CustomerTypeMaps	Annotations Calculators CalculatorSets CountryList

DefaultPage	CustomerTypeMap
DimensionalWeightDivisors	DefaultPage
FilterCustomerType	FilterCustomerType
FilterErrorMessage	FilterErrorMessage
FilterRelationship	FilterRelationship
MailPieceContent	MailPieceContent
PostageServiceMetadata	PostageServiceMetadata
PreparationFilter	PostalCodeRules
APOFPODPOFilter	PostalCodeSet
ZIPCodeRules	MailingFees
ZIPCodeSet	SDRValue
MailingFees	

International Services called with Country Code returns first child country (Defect)

GetServicesWithPricing is called with a parent country, e.g. ID 10143 (United Kingdom of Great Britain and Northern Ireland) the first child country with matching Geography Attributes was being returned (10140 (Alderney)). This fix will correct the country returned.

Impact on Existing Applications

You do not have to rebuild your applications.

Instructions

1. Copy the DLLs
2. SQL Scripts should be executed in the order shown below.

Note: Batch files are provided to assist with executing the scripts. They must be executed with a parameter that specifies the database name, e.g. "sql_update USPS_DOM_2019_01". They can also be used just to describe the order in which these scripts should be run.

Batch script	Parameter
SQL\Domestic\sql_update.bat	USPS_DOM_2019_01
SQL\International\sql_update.bat	USPS_INTL_2019_01

Ex: sql_update.bat USPS_DOM_2019_01

Contents

Description	File
Folder	Database
Folder	Domestic
Database	USPS_DOM_2019_01
SQL Script	B-289791 Dom Add Cache Age.sql
	B-311258 Update Links.sql

	B-311911 - Add Data-Driven Footer.sql
	B-312091 - Drop Tables No Longer Used.sql
Batch File	Sql_update.bat
Folder	International
Database	USPS_INTL_2019_01
SQL Script	B-289791 IntlAdd Cache Age.sql
	B-311258 Update Links.sql
	B-311434 - Add Data-Driven Footer.sql
	B-312091 - Drop Tables No Longer Used.sql
Folder	DLL
Custom Forms Engine	CustomsFormsEngine.dll
Rate Engine Framework	RateEngine_Framework.dll
Business Rate Engine	RateEngine_Business.dll
Domestic Business Rate Engine	RateEngine_DomBusiness.dll
International Business Rate Engine	RateEngine_IntlBusiness.dll
Service Delivery Extensions	ServiceDeliveryExtensions.dll
Documentation	
Design Model	Pricing Engine.pdf
Release Notes	USPS Pricing Engine SDK 11_7_2_0.pdf

Reported Defects and Change Request

None.